

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:24:32 ON 01 JUN 2001

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

0.15 0.15

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO' ENTERED AT 15:24:44 ON 01 JUN 2001

ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

10 FILES IN THE FILE LIST

=> s esterase#

FILE 'MEDLINE'

L1 20321 ESTERASE#

FILE 'SCISEARCH'

L2 11729 ESTERASE#

FILE 'LIFESCI'

L3 5061 ESTERASE#

FILE 'BIOTECHDS'

L4 1834 ESTERASE#

FILE 'BIOSIS'

L5 42522 ESTERASE#

FILE 'EMBASE'

L6 13161 ESTERASE#

FILE 'HCAPLUS'

L7 29865 ESTERASE#

FILE 'NTIS'

L8 289 ESTERASE#

FILE 'ESBIOBASE'

L9 2683 ESTERASE#

FILE 'BIOTECHNO'

L10 3957 ESTERASE#

TOTAL FOR ALL FILES

L11 131422 ESTERASE#

=> s staphylothermus or marinus

FILE 'MEDLINE'

12 STAPHYLOTHERMUS

2566 MARINUS

L12 2567 STAPHYLOTHERMUS OR MARINUS

FILE 'SCISEARCH'

27 STAPHYLOTHERMUS

2112 MARINUS

L13 2118 STAPHYLOTHERMUS OR MARINUS

FILE 'LIFESCI'
18 STAPHYLOTHERMUS
1178 MARINUS
L14 1180 STAPHYLOTHERMUS OR MARINUS

FILE 'BIOTECHDS'
9 STAPHYLOTHERMUS
52 MARINUS
L15 56 STAPHYLOTHERMUS OR MARINUS

FILE 'BIOSIS'
31 STAPHYLOTHERMUS
4844 MARINUS
L16 4853 STAPHYLOTHERMUS OR MARINUS

FILE 'EMBASE'
20 STAPHYLOTHERMUS
1081 MARINUS
L17 1085 STAPHYLOTHERMUS OR MARINUS

FILE 'HCAPLUS'
32 STAPHYLOTHERMUS
2366 MARINUS
L18 2368 STAPHYLOTHERMUS OR MARINUS

FILE 'NTIS'
0 STAPHYLOTHERMUS
58 MARINUS
L19 58 STAPHYLOTHERMUS OR MARINUS

FILE 'ESBIOBASE'
11 STAPHYLOTHERMUS
569 MARINUS
L20 570 STAPHYLOTHERMUS OR MARINUS

FILE 'BIOTECHNO'
17 STAPHYLOTHERMUS
302 MARINUS
L21 306 STAPHYLOTHERMUS OR MARINUS

TOTAL FOR ALL FILES
L22 15161 STAPHYLOTHERMUS OR MARINUS

=> s 111(8a)122
FILE 'MEDLINE'
L23 1 L1 (8A)L12

FILE 'SCISEARCH'
L24 0 L2 (8A)L13

FILE 'LIFESCI'
L25 0 L3 (8A)L14

FILE 'BIOTECHDS'
L26 0 L4 (8A)L15

FILE 'BIOSIS'
L27 4 L5 (8A)L16

FILE 'EMBASE'
L28 0 L6 (8A)L17

FILE 'HCAPLUS'
L29 3 L7 (8A)L18

FILE 'NTIS'
L30 0 L8 (8A)L19

FILE 'ESBIOBASE'
L31 0 L9 (8A)L20

FILE 'BIOTECHNO'
L32 0 L10(8A)L21

TOTAL FOR ALL FILES
L33 8 L11(8A) L22

=> s l11(8a)(thermophil? or hyperthermophil? or thermostab?)

FILE 'MEDLINE'
5951 THERMOPHIL?
900 HYPERTHERMOPHIL?
4927 THERMOSTAB?
L34 32 L1 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'SCISEARCH'
10615 THERMOPHIL?
1440 HYPERTHERMOPHIL?
6441 THERMOSTAB?
L35 60 L2 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'LIFESCI'
6466 THERMOPHIL?
804 HYPERTHERMOPHIL?
3048 THERMOSTAB?
L36 37 L3 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'BIOTECHDS'
4722 THERMOPHIL?
218 HYPERTHERMOPHIL?
5629 THERMOSTAB?
L37 70 L4 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'BIOSIS'
13843 THERMOPHIL?
1276 HYPERTHERMOPHIL?
8303 THERMOSTAB?
L38 73 L5 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'EMBASE'
6815 THERMOPHIL?
992 HYPERTHERMOPHIL?
8084 THERMOSTAB?
L39 39 L6 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'HCAPLUS'
14259 THERMOPHIL?
1367 HYPERTHERMOPHIL?

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14948 THERMOSTAB?
L40      117 L7 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'NTIS'
      475 THERMOPHIL?
      27 HYPERTHERMOPHIL?
      179 THERMOSTAB?
L41      2 L8 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'ESBIOBASE'
      3283 THERMOPHIL?
      867 HYPERTHERMOPHIL?
      2132 THERMOSTAB?
L42      32 L9 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

FILE 'BIOTECHNO'
      5460 THERMOPHIL?
      919 HYPERTHERMOPHIL?
      4980 THERMOSTAB?
L43      35 L10 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

TOTAL FOR ALL FILES
L44      497 L11 (8A) (THERMOPHIL? OR HYPERTHERMOPHIL? OR THERMOSTAB?)

=> s staphylothermus marinus
FILE 'MEDLINE'
      12 STAPHYLOTHERMUS
      2566 MARINUS
L45      11 STAPHYLOTHERMUS MARINUS
          (STAPHYLOTHERMUS (W) MARINUS)

FILE 'SCISEARCH'
      27 STAPHYLOTHERMUS
      2112 MARINUS
L46      21 STAPHYLOTHERMUS MARINUS
          (STAPHYLOTHERMUS (W) MARINUS)

FILE 'LIFESCI'
      18 "STAPHYLOTHERMUS"
      1178 "MARINUS"
L47      16 STAPHYLOTHERMUS MARINUS
          ("STAPHYLOTHERMUS" (W) "MARINUS")

FILE 'BIOTECHDS'
      9 STAPHYLOTHERMUS
      52 MARINUS
L48      5 STAPHYLOTHERMUS MARINUS
          (STAPHYLOTHERMUS (W) MARINUS)

FILE 'BIOSIS'
      31 STAPHYLOTHERMUS
      4844 MARINUS
L49      22 STAPHYLOTHERMUS MARINUS
          (STAPHYLOTHERMUS (W) MARINUS)

FILE 'EMBASE'
      20 "STAPHYLOTHERMUS"
      1081 "MARINUS"
L50      16 STAPHYLOTHERMUS MARINUS

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("STAPHYLOTHERMUS" (W) "MARINUS")

FILE 'HCAPLUS'

32 STAPHYLOTHERMUS
2366 MARINUS

L51 30 STAPHYLOTHERMUS MARINUS
(STAPHYLOTHERMUS (W) MARINUS)

FILE 'NTIS'

0 STAPHYLOTHERMUS
58 MARINUS

L52 0 STAPHYLOTHERMUS MARINUS
(STAPHYLOTHERMUS (W) MARINUS)

FILE 'ESBIOBASE'

11 STAPHYLOTHERMUS
569 MARINUS

L53 10 STAPHYLOTHERMUS MARINUS
(STAPHYLOTHERMUS (W) MARINUS)

FILE 'BIOTECHNO'

17 STAPHYLOTHERMUS
302 MARINUS

L54 13 STAPHYLOTHERMUS MARINUS
(STAPHYLOTHERMUS (W) MARINUS)

TOTAL FOR ALL FILES

L55 144 STAPHYLOTHERMUS MARINUS

=> s (133 or 144 or 155) not 1997/py range=,1997

FILE 'MEDLINE'

283646 1997/PY

L56 23 (L23 OR L34 OR L45) NOT 1997/PY

FILE 'SCISEARCH'

815960 1997/PY

L57 34 (L24 OR L35 OR L46) NOT 1997/PY

FILE 'LIFESCI'

44771 1997/PY

L58 33 (L25 OR L36 OR L47) NOT 1997/PY

FILE 'BIOTECHDS'

9772 1997/PY

L59 48 (L26 OR L37 OR L48) NOT 1997/PY

FILE 'BIOSIS'

394382 1997/PY

L60 62 (L27 OR L38 OR L49) NOT 1997/PY

FILE 'EMBASE'

344810 1997/PY

L61 27 (L28 OR L39 OR L50) NOT 1997/PY

FILE 'HCAPLUS'

694738 1997/PY

L62 81 (L29 OR L40 OR L51) NOT 1997/PY

FILE 'NTIS'

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12195 1997/PY
L63      1 (L30 OR L41 OR L52) NOT 1997/PY

FILE 'ESBIOBASE'
233475 1997/PY
L64      13 (L31 OR L42 OR L53) NOT 1997/PY

FILE 'BIOTECHNO'
0 1997/PY
L65      0 (L32 OR L43 OR L54) NOT 1997/PY

TOTAL FOR ALL FILES
L66      322 (L33 OR L44 OR L55) NOT 1997/PY

=> s (l33 or l44 or l55) and py=<1996 range=1998,
FILE 'MEDLINE'
21211 PY=<1996
L67      0 (L23 OR L34 OR L45) AND PY=<1996

FILE 'SCISEARCH'
877 PY=<1996
L68      0 (L24 OR L35 OR L46) AND PY=<1996

FILE 'LIFESCI'
11505 PY=<1996
L69      0 (L25 OR L36 OR L47) AND PY=<1996

FILE 'BIOTECHDS'
104 PY=<1996
(PY=<1996)
L70      0 (L26 OR L37 OR L48) AND PY=<1996

FILE 'BIOSIS'
6301 PY=<1996
L71      0 (L27 OR L38 OR L49) AND PY=<1996

FILE 'EMBASE'
1906 PY=<1996
L72      0 (L28 OR L39 OR L50) AND PY=<1996

FILE 'HCAPLUS'
32239 PY=<1996
L73      0 (L29 OR L40 OR L51) AND PY=<1996

FILE 'NTIS'
61254 PY=<1996
L74      0 (L30 OR L41 OR L52) AND PY=<1996

FILE 'ESBIOBASE'
515 PY=<1996
L75      0 (L31 OR L42 OR L53) AND PY=<1996

FILE 'BIOTECHNO'
946956 PY=<1996
L76      23 (L32 OR L43 OR L54) AND PY=<1996

TOTAL FOR ALL FILES
L77      23 (L33 OR L44 OR L55) AND PY=<1996

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=> dup rem 166,177
PROCESSING COMPLETED FOR L66
PROCESSING COMPLETED FOR L77
L78 138 DUP REM L66 L77 (207 DUPLICATES REMOVED)

=> d tot

L78 ANSWER 1 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
TI Modified cholesterol-oxidase enzyme;
Streptomyces sp. enzyme engineering for improved thermostability in
cholesterol determination
AN 1997-00544 BIOTECHDS
PI JP 08242860 24 Sep 1996

L78 ANSWER 2 OF 138 MEDLINE DUPLICATE 1
TI Hyperthermostable surface layer protein tetrabrachion from the
archaebacterium **Staphylothermus marinus**: evidence for
the presence of a right-handed coiled coil derived from the primary
structure.
SO JOURNAL OF MOLECULAR BIOLOGY, (1996 Apr 19) 257 (5) 1031-41.
Journal code: J6V; 2985088R. ISSN: 0022-2836.
AU Peters J; Baumeister W; Lupas A
AN 96192087 MEDLINE

L78 ANSWER 3 OF 138 MEDLINE DUPLICATE 2
TI A hyperthermostable protease of the subtilisin family bound to the surface
layer of the archaeon **Staphylothermus marinus**.
SO CURRENT BIOLOGY, (1996 Jun 1) 6 (6) 739-49.
Journal code: B44; 9107782. ISSN: 0960-9822.
AU Mayr J; Lupas A; Kellermann J; Eckerskorn C; Baumeister W; Peters J
AN 96385442 MEDLINE

L78 ANSWER 4 OF 138 MEDLINE DUPLICATE 3
TI Biochemical characterization of juvenile hormone esterases from lines
selected for high or low enzyme activity in Gryllus assimilis.
SO BIOCHEMICAL GENETICS, (1996 Dec) 34 (11-12) 421-35.
Journal code: 9YK; 0126611. ISSN: 0006-2928.
AU Zera A J; Zeisset M
AN 97271761 MEDLINE

L78 ANSWER 5 OF 138 MEDLINE DUPLICATE 4
TI Structural studies on the 2.25-MDa homomultimeric phosphoenolpyruvate
synthase from **Staphylothermus marinus**.
SO JOURNAL OF STRUCTURAL BIOLOGY, (1996 Mar-Apr) 116 (2) 290-301.
Journal code: AUD; 9011206. ISSN: 1047-8477.
AU Harauz G; Cicicopol C; Hegerl R; Cejka Z; Goldie K; Santarius U; Engel A;
Baumeister W
AN 96410595 MEDLINE

L78 ANSWER 6 OF 138 HCAPLUS COPYRIGHT 2001 ACS
TI Increasing **thermostability** of Bacillus **esterase** by
replacement of cysteine residues with serines or alanines
SO Microb. Util. Renewable Resour. (1996), Volume Date 1995, 9, 194-198
CODEN: MURRE6
AU Yamane, Tsuneo
AN 1996:510588 HCAPLUS
DN 125:162049

L78 ANSWER 7 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R) DUPLICATE 5

TI ESTEROLYTIC AND LIPOLYTIC-ACTIVITIES OF MESOPHILIC AND THERMOPHILIC
 LACTOBACILLI
 SO ITALIAN JOURNAL OF FOOD SCIENCE, (1996) Vol. 8, No. 2, pp. 127-135.
 ISSN: 1120-1770.
 AU GOBBETTI M (Reprint); FOX P F; STEPANIAK L
 AN 96:538573 SCISEARCH

L78 ANSWER 8 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI Amylase preparation produced by cultivation of a strain of
 Staphylothermus;
Staphylothermus marinus recombinant thermostable
 enzyme production, purification and characterization, for application
 in starch hydrolysis in the production of ethanol or a sweetener
 AU Sjöholm C; Antranikian G
 AN 1995-13975 BIOTECHDS
 PI WO 9523851 8 Sep 1995

L78 ANSWER 9 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI A new esterase prepared by Acidiphilium;
 enzyme preparation and characterization
 AN 1995-14812 BIOTECHDS
 PI JP 07213281 15 Aug 1995

L78 ANSWER 10 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI A **thermostable esterase**;
 mutant enzyme produced by enzyme engineering
 AN 1995-14811 BIOTECHDS
 PI JP 07213280 15 Aug 1995

L78 ANSWER 11 OF 138 HCAPLUS COPYRIGHT 2001 ACS
 TI Preparation of **thermostable esterase** mutants of
 Chromobacterium SC-YM-1
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 IN Matsuki, Yasushi; Horai, Shinji; Yabusaki, Yoshasu
 AN 1995:934054 HCAPLUS
 DN 124:49483

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07213280	A2	19950815	JP 1994-11014	19940202

L78 ANSWER 12 OF 138 MEDLINE
 TI Nucleotide sequence of the gene for a **thermostable**
esterase from Pseudomonas putida MR-2068.
 SO BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY, (1995 Jul) 59 (7) 1204-7.
 Journal code: BDP; 9205717. ISSN: 0916-8451.
 AU Ozaki E; Sakimae A; Numazawa R
 AN 95399993 MEDLINE

L78 ANSWER 13 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI Purification and partial characterization of a novel thermophilic
 carboxylesterase with high mesophilic specific activity;
 thermostable enzyme preparation and isolation from Bacillus
 stearothermophilus
 SO Enzyme Microb.Technol.; (1995) 17, 9, 816-25
 CODEN: EMTED2 ISSN: 0141-0229
 AU Wood A N P; Fernandez-Lafuente R; *Cowan D A
 AN 1995-13447 BIOTECHDS

- L78 ANSWER 14 OF 138 MEDLINE DUPLICATE 8
 TI Purification and characterization of two **thermostable** acetyl
 xylan **esterases** from Thermoanaerobacterium sp. strain
 JW/SL-YS485.
 SO APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (1995 Feb) 61 (2) 729-33.
 Journal code: 6K6; 7605801. ISSN: 0099-2240.
 AU Shao W; Wiegel J
 AN 96031584 MEDLINE
- L78 ANSWER 15 OF 138 MEDLINE DUPLICATE 9
 TI The identification and partial characterisation of a novel inducible
 extracellular **thermostable esterase** from the archaeon
 Sulfolobus shibatae.
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1995 Nov 13) 216 (2)
 495-500.
 Journal code: 9Y8; 0372516. ISSN: 0006-291X.
 AU Huddleston S; Yallop C A; Charalambous B M
 AN 96063636 MEDLINE
- L78 ANSWER 16 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI Thermostable enzymes screened on thermophilic microorganisms from
 deep-sea hydrothermal vents;
 beta-glucosidase, alcohol-dehydrogenase, protease and esterase
 activity
 SO C.R.Seances Acad.Sci.Ser.3; (1995) 318, 4, 423-29
 CODEN: CRSEDA ISSN: 0764-4469
 AU Ladrat C; Cornec L; Alayse-Danet A M; Barbier G
 AN 1995-09223 BIOTECHDS
- L78 ANSWER 17 OF 138 MEDLINE DUPLICATE 11
 TI Tetrabrachion: a filamentous archaeobacterial surface protein assembly of
 unusual structure and extreme stability.
 SO JOURNAL OF MOLECULAR BIOLOGY, (1995 Jan 27) 245 (4) 385-401.
 Journal code: J6V; 2985088R. ISSN: 0022-2836.
 AU Peters J; Nitsch M; Kuhlmoorgen B; Golbik R; Lupas A; Kellermann J;
 Engelhardt H; Pfander J P; Muller S; Goldie K; +
 AN 95139068 MEDLINE
- L78 ANSWER 18 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 12
 TI EFFECT OF HYDRATION ON **THERMOSTABILITY** OF SERINE
ESTERASES
 SO BIOTECHNOLOGY LETTERS, (APR 1995) Vol. 17, No. 4, pp. 371-376.
 ISSN: 0141-5492.
 AU TURNER N A (Reprint); DUCHATEAU D B; VULFSON E N
 AN 95:343583 SCISEARCH
- L78 ANSWER 19 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 13
 TI HYPERSTABILIZATION OF A **THERMOPHILIC ESTERASE** BY
 MULTIPOINT COVALENT ATTACHMENT
 SO ENZYME AND MICROBIAL TECHNOLOGY, (APR 1995) Vol. 17, No. 4, pp. 366-372.
 ISSN: 0141-0229.
 AU FERNANDEZLAFUENTE R (Reprint); COWAN D A; WOOD A N P
 AN 95:307847 SCISEARCH
- L78 ANSWER 20 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 14
 TI CHARACTERIZATION OF A NOVEL **THERMOSTABLE ESTERASE** AS
 AN INDUSTRIAL CATALYST
 SO BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, (JUN 1995) Vol. 21, Part 3, pp.
 313-322.

ISSN: 0885-4513.

AU WOOD A N P; FERNANDEZLAFUENTE R; COWAN D A (Reprint)
AN 95:413100 SCISEARCH

L78 ANSWER 21 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 15
TI ISOLATION AND CHARACTERIZATION OF EXTREMELY THERMOPHILIC ARCHAEABACTERIA
RELATED TO THE GENUS THERMOCOCCUS FROM DEEP-SEA HYDROTHERMAL GUAYMAS BASIN
SO CURRENT MICROBIOLOGY, (SEP 1995) Vol. 31, No. 3, pp. 186-192.
ISSN: 0343-8651.
AU ANTOINE E (Reprint); GUEZENNEC J; MEUNIER J R; LESONGEUR F; BARBIER G
AN 95:518541 SCISEARCH

L78 ANSWER 22 OF 138 LIFESCI COPYRIGHT 2001 CSA DUPLICATE 16
TI Production and characteristics of thermostable lipolytic enzymes from
Monascus fuliginosus
SO ACTA MICROBIOL. SIN., (1995) vol. 35, no. 2, pp. 109-114.
ISSN: 0001-6209.
AU Guangye, Liu; Shiheng, Lu; Yuelin, Jiang; Yanyong, Wu
AN 96:118997 LIFESCI

L78 ANSWER 23 OF 138 MEDLINE DUPLICATE 17
TI Identification of new enzyme activities of several strains of Thermus
species.
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1995 Dec) 44 (1-2) 81-7.
Journal code: AMC; 8406612. ISSN: 0175-7598.
AU Berger J L; Lee B H; Lacroix C
AN 96150084 MEDLINE

L78 ANSWER 24 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 18
TI REDUCING ENZYME CONFORMATIONAL FLEXIBILITY BY MULTIPOINT COVALENT
IMMOBILIZATION
SO BIOTECHNOLOGY TECHNIQUES, (JAN 1995) Vol. 9, No. 1, pp. 1-6.
ISSN: 0951-208X.
AU FERNANDEZLAFUENTE R (Reprint); WOOD A N P; COWAN D A
AN 95:255865 SCISEARCH

L78 ANSWER 25 OF 138 NTIS COPYRIGHT 2001 NTIS
TI Hemicellulases from anaerobic thermophiles. Progress report.
NR DE95015475/XAD; DOE/ER/14059-T1
8 p. NTIS Prices: PC A02/MF A01
Notes: Sponsored by Department of Energy, Washington, DC.
PD May 1994
AU Wiegel, J.
AN 1996(01):1588 NTIS

L78 ANSWER 26 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
TI A new esterase for use in foods or toiletries;
new **thermostable esterase** production and
characterization; potential flavor component production from
triglyceride substrate
AN 1994-11297 BIOTECHDS
PI JP 06165675 14 Jun 1994

L78 ANSWER 27 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
TI A DNA fragment having a DNA sequence coding esterase;
recombinant **thermostable esterase** production
AN 1994-08916 BIOTECHDS
PI JP 06105693 19 Apr 1994

L78 ANSWER 28 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI New esterase-A and its preparation;
 thermostable enzyme production by *Klebsiella oxytoca* and
 characterization
 AN 1994-05336 BIOTECHDS
 PI JP 06014772 25 Jan 1994

L78 ANSWER 29 OF 138 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 21
 TI Structural characteristics of the stable RNA introns of archaeal
 hyperthermophiles and their splicing junctions.
 SO Journal of Molecular Biology, (1994) Vol. 243, No. 5, pp. 846-855.
 ISSN: 0022-2836.
 AU Lykke-Andersen, Jens; Garrett, Roger A.
 AN 1995:33950 BIOSIS

L78 ANSWER 30 OF 138 LIFESCI COPYRIGHT 2001 CSA DUPLICATE 22
 TI The diversity of potential cheese ripening characteristics of lactic acid
 starter bacteria: 2. The levels and subcellular distributions of peptidase
 and esterase activities
 SO INT. DAIRY J., (1994) vol. 4, no. 8, pp. 723-742.
 ISSN: 0958-6946.
 AU Crow, V.L.; Holland, R.; Pritchard, G.G.; Coolbear, T.
 AN 95:49361 LIFESCI

L78 ANSWER 31 OF 138 MEDLINE DUPLICATE 23
 TI Role of cysteine residues in **esterase** from *Bacillus*
stearothermophilus and increasing its **thermostability** by the
 replacement of cysteines.
 SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1994 Jan) 40 (5) 664-8.
 Journal code: AMC; 8406612. ISSN: 0175-7598.
 AU Amaki Y; Nakano H; Yamane T
 AN 94145615 MEDLINE

L78 ANSWER 32 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI Effects of the detergent Tween-80 on *Thermomonospora curvata*;
 surfactant effect on cellulase complex and esterase activity
 SO World J.Microbiol.Biotechnol.; (1994) 10, 6, 657-63
 CODEN: 9295H
 AU Thies E; Jenkins T; Stutzenberger F
 AN 1994-15601 BIOTECHDS

L78 ANSWER 33 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 24
 TI UPDATING MASS AND COMPOSITION OF ARCHAEL AND BACTERIAL-RIBOSOMES -
 ARCHAEL-LIKE FEATURES OF RIBOSOMES FROM THE DEEP-BRANCHING BACTERIUM
 AQUIFEX PYROPHILUS
 SO SYSTEMATIC AND APPLIED MICROBIOLOGY, (FEB 1994) Vol. 16, No. 4, pp.
 629-637.
 ISSN: 0723-2020.
 AU ACCA M; BOCCHETTA M; CECCARELLI E; CRETI R; STETTER K O; CAMMARANO P
 (Reprint)
 AN 94:151494 SCISEARCH

L78 ANSWER 34 OF 138 MEDLINE DUPLICATE 25
 TI Primary structure of a multimeric protein, homologous to the PEP-utilizing
 enzyme family and isolated from a hyperthermophilic archaeobacterium.
 SO FEBS LETTERS, (1994 Dec 19) 356 (2-3) 345-50.
 Journal code: EUH; 0155157. ISSN: 0014-5793.
 AU Cicicopol C; Peters J; Kellermann J; Baumeister W
 AN 95104448 MEDLINE

L78 ANSWER 35 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 26
 TI CHARACTERIZATION OF AMYLOLYTIC AND PULLULYTIC ENZYMES FROM THERMOPHILIC
 ARCHAEA AND FROM A NEW FERVIDOBACTERIUM SPECIES
 SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (NOV 1994) Vol. 42, No. 2-3, pp.
 239-245.
 ISSN: 0175-7598.
 AU CANGANELLA F; ANDRADE C M; ANTRANIKIAN G (Reprint)
 AN 95:2103 SCISEARCH

L78 ANSWER 36 OF 138 BIOTECHDS COPYRIGHT 2001 DERWENT INFORMATION LTD
 TI A thermophilic, lipolytic Bacillus sp., and continuous assay of its
 p-nitrophenyl-palmitate-esterase activity;
 thermophilic bacterium characterization with respect to thermostable
 enzyme activity
 SO FEMS Microbiol.Lett.; (1994) 120, 1-2, 195-200
 CODEN: FMLED7
 AU Janssen P H; Monk C R; *Morgan H W
 AN 1994-09531 BIOTECHDS

L78 ANSWER 37 OF 138 HCAPLUS COPYRIGHT 2001 ACS
 TI Moldable dry chemistry
 SO Biotechnol. Bioact. Polym., [Proc. Am. Chem. Soc. Symp.] (1994), Meeting
 Date 1992, 195-200. Editor(s): Gebelein, Charles G.; Carraher, Charles
 E., Jr. Publisher: Plenum, New York, N. Y.
 CODEN: 60QOAU
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L78 ANSWER 68 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 38
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L78 ANSWER 75 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 40
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L78 ANSWER 80 OF 138 HCAPLUS COPYRIGHT 2001 ACS
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L78 ANSWER 84 OF 138 HCAPLUS COPYRIGHT 2001 ACS
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L78 ANSWER 91 OF 138 SCISEARCH COPYRIGHT 2001 ISI (R)DUPLICATE 49
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